

ABSTRACT OF THE DISCLOSURE

Molten resin is injected into a cavity 12 formed between a cavity mold 7 and a moving-side core mold 11 in an injection mold assembly 1 and is allowed to spread out into every corner. Next, after the resin has stopped flowing, punch pins 23 and 24 are pressed into the cavity by hydraulic cylinders 25 and 26 that are attached to the fixed-side mold part 2 side. After the molten resin has hardened, the punch pins 23 and 24 are withdrawn from the cavity, the mold assembly is opened and the molded product is removed. By using the punch pins 23 and 24, through-hole parts are formed in a plate-like product. When the molten resin is injected, inside the cavity there are no through-hole-forming protrusions that would cause the flow of the molten resin to branch, so that weld lines do not appear in the surface of the molded product. As a result, plate-like molded products that include through-holes can be accurately formed by injection molding.